<u>Circulatory Astrocyte and Neuronal EVs as Potential Biomarkers of Neurological Dysfunction in HIV-Infected Subjects and Alcohol/Tobacco Users</u>

Sunitha Kodidela ¹, Kelli Gerth ¹, Namita Sinha ¹, Asit Kumar ¹, Prashant Kumar ² and Santosh Kumar *

- 1 College of Pharmacy, Department of Pharmaceutical sciences, University of Tennessee Health Science Center, 881 Madison Ave, Memphis, TN, 38163, USA; skodidel@uthsc.edu (S.K.); kgerth1@uthsc.edu (K.G.); nsinha2@uthsc.edu (N.S.); akumar23@uthsc.edu (A.K.)
- 2 Department of Pediatrics, University of Tennessee Health Science Center and Le Bonheur Children's Hospital, Memphis, TN 38103, USA; pkumar21@uthsc.edu

*Correspondence: ksantosh@uthsc.edu; Tel.: 901-448-7157-1

Figure A1: Original Western blots of expression of neuronal and astrocyte marker proteins in plasma EV of Healthy and HIV-positive subjects.

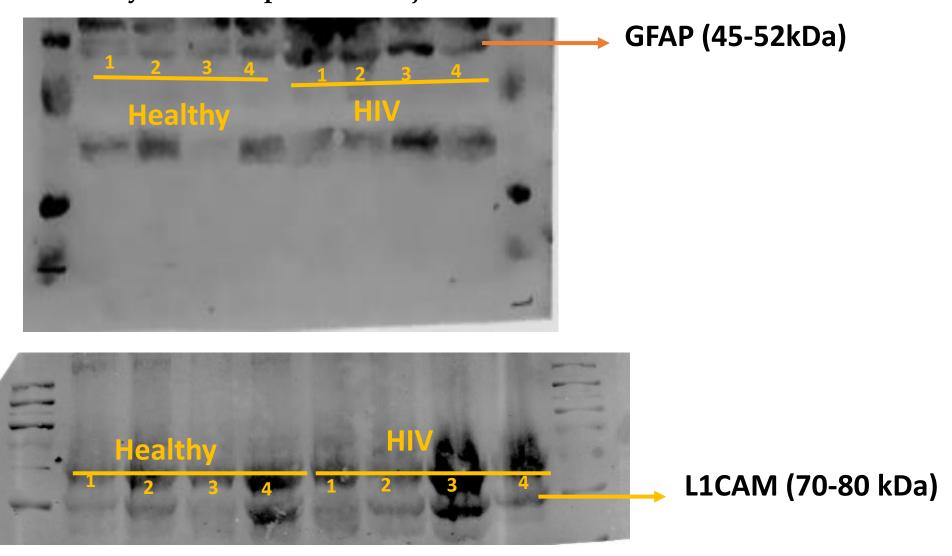
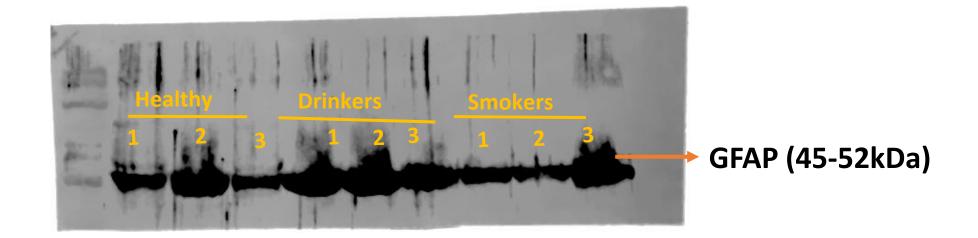


Figure A2: Original Western blots of expression of GFAP and L1CAM in plasma EVs of healthy and substance users.



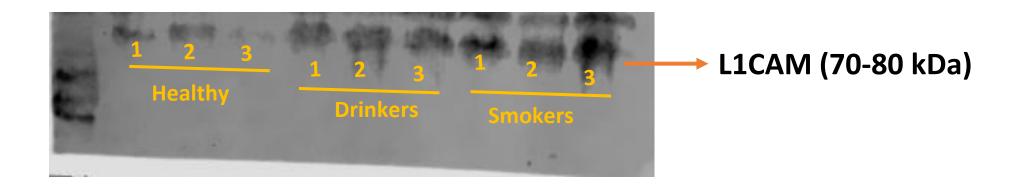


Figure A3: Original Western blots of expression of neuronal and astrocyte proteins in plasma EVs of HIV-positive subjects with and without substance use.

